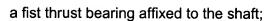


## What is claimed is:

- 1. A method for creating a bearing gap for use in a hydrodynamic bearing, said method comprising the steps of:
- (a) placing a rotor hub, having a journal aperture disposed through a center thereof onto a shaft coaxially aligned with the shaft and in communication with a lower thrust bearing mounted on the shaft;
- (b) introducing a fluid into the journal aperture of the rotor hub, whereby the fluid migrates between the shaft, the rotor and the lower thrust bearing;
- (c) affixing an upper thrust bearing, having a central aperture, coaxially to the shaft; and
- (d) rotating the rotor hub to cause the fluid to build pressure within the journal aperture and create an air gap between the rotor hub and the upper thrust bearing.
- 2. The method according to claim 1, wherein the step of providing a rotor shaft having a shaft and a lower thrust bearing disposed about the rotor support further comprises press-fitting the lower thrust bearing onto the shaft through a central coaxially aligned aperture disposed in the lower thrust bearing.
- 3. The method according to claim 1, comprising measuring a precise amount of fluid to be introduced, whereby a hydrodynamic effect may be obtained upon rotor hub rotation.
- 4. The method according to claim 1, wherein the step of press-fitting the upper thrust bearing onto the shaft until the thrust bearing is colinear with the rotor hub further comprises aligning the thrust bearing coaxial to the shaft while press-fitting the upper thrust bearing into a contacting coplanar alignment on the rotor hub.
- 5. An electric motor comprising:
  - a base:
  - a shaft having a first end affixed to the base;





- a rotor hub rotatably positioned on said shaft and seated on said first thrust bearing;
  - a second thrust bearing affixed to the shaft;
- a fluid located proximate the shaft and first thrust bearing to form, when the rotor hub rotates, a hydrodynamic bearing between the rotor hub and the first thrust bearing and an air bearing between the second thrust bearing and the rotor hub.